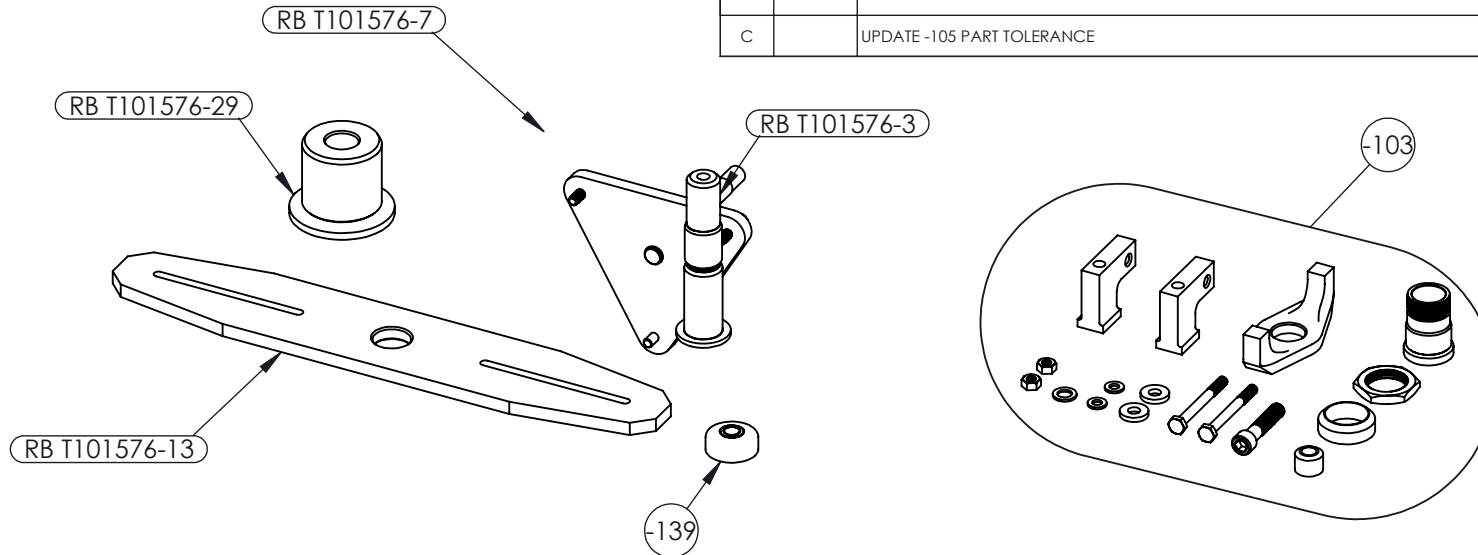


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		UPDATED SHEET FORMATS. BROKE PARTS OUT INTO INDIVIDUAL SHEETS. -105 ADDED MISSING DIM 59° TO INNER CHAMFER, ADDED DETAIL VIEW C. CORRECTED THREAD RELIEF ADDED 45° DIM. -111 ADDED MISSING DIMS .23 AND 2X R.06. -113 ADDED MISSING DIM .479.	12/5/2013	CFS	GE
1A		CH'D TO BELL TOLERANCES.	4/9/2014	DPD	GE
2	17-0165	UPDATED TO NEW STANDARD. CH'D USED ON MODEL WAS BELL 206 IS BELL 407. 427. -105 CH'D DIM WS 1-1/8-12 UNF IS 1-1/8-12 UNF - 2A. -111 CH'D DIM WAS .23 IS 2X .23. DELETED DIM .98. -127 CH'D DIM WAS 1.50 IS 3X 1.50. ADDED DIMS 2X .05. 2X 25°. CH'D FINISH WAS CAD PLATE YELLOW QQ-P-416F TYPE II CLASS II IS ZINC PLATE ASTM B633 TYPE I SC2.	7/11/2017	DPD	JAG
C		UPDATE -105 PART TOLERANCE	11/4/2020	SAD	



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ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
				1	BASE		RB T101576-13	1
				1	PLUG (USE ON 206)		RB T101576-29	1
				1	MANDREL ASSY.		RB T101576-3	1
				1	STAND ASSY		RB T101576-7	1
	X		-103	1	BALANCE SET ATTACHMENTS			2
	1		-105		ADAPTER	440C COML. GR.		3
	1		-107		LARGE SPACER	440C COML. GR.		4
	1		-109		STOP	6061		5
	2		-111		HALF STOP	6061		6
	1		-113		SMALL SPACER	440C COML. GR.		7
	2		-115		SPACER WASHER	440C COML. GR.		8
	1		-127		THIN HEX NUT	STEEL		9
	2	B/O	-129		HEX HEAD CAP SCREW	STEEL	(NAS6604-35 OR AN4-25A)	2
	1	B/O	-131		SOCKET HEAD CAP SCREW	STEEL, BLACK	3/8-24 UNF X 1-3/4 (MCMASTER-CARR #91251A430)	2
	2	B/O	-133		HEX NUT	STEEL	(NAS509-4 OR AN315-4R)	2
	1	B/O	-135		FLAT WASHER	STEEL	(AN960-616)	2
	2	B/O	-137		FLAT WASHER	STEEL	(AN960-416)	2
		B/O	-139	1	BULL'S EYE LEVEL		(MCMASTER-CARR #2147A11)	1
	ASSY -103							

NOTES:


1. RBT400284 REPLACES BELL 206-210-100-101.
2. RBT400284-103 REPLACES BELL 206-210-100-103.

DART AEROSPACE	
TITLE TAIL ROTOR BALANCE SET	
DWG NO. RBT400284	REV C
MAT'L HEAT TREAT FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125°
SPEC DRAWN BY: SAD CHECKED: KPT OPPS APPR: DD QA APPR: N/A APPROVED: <i>[Signature]</i>	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:5	DATE 11/4/2020
SHEET 1 OF 9	

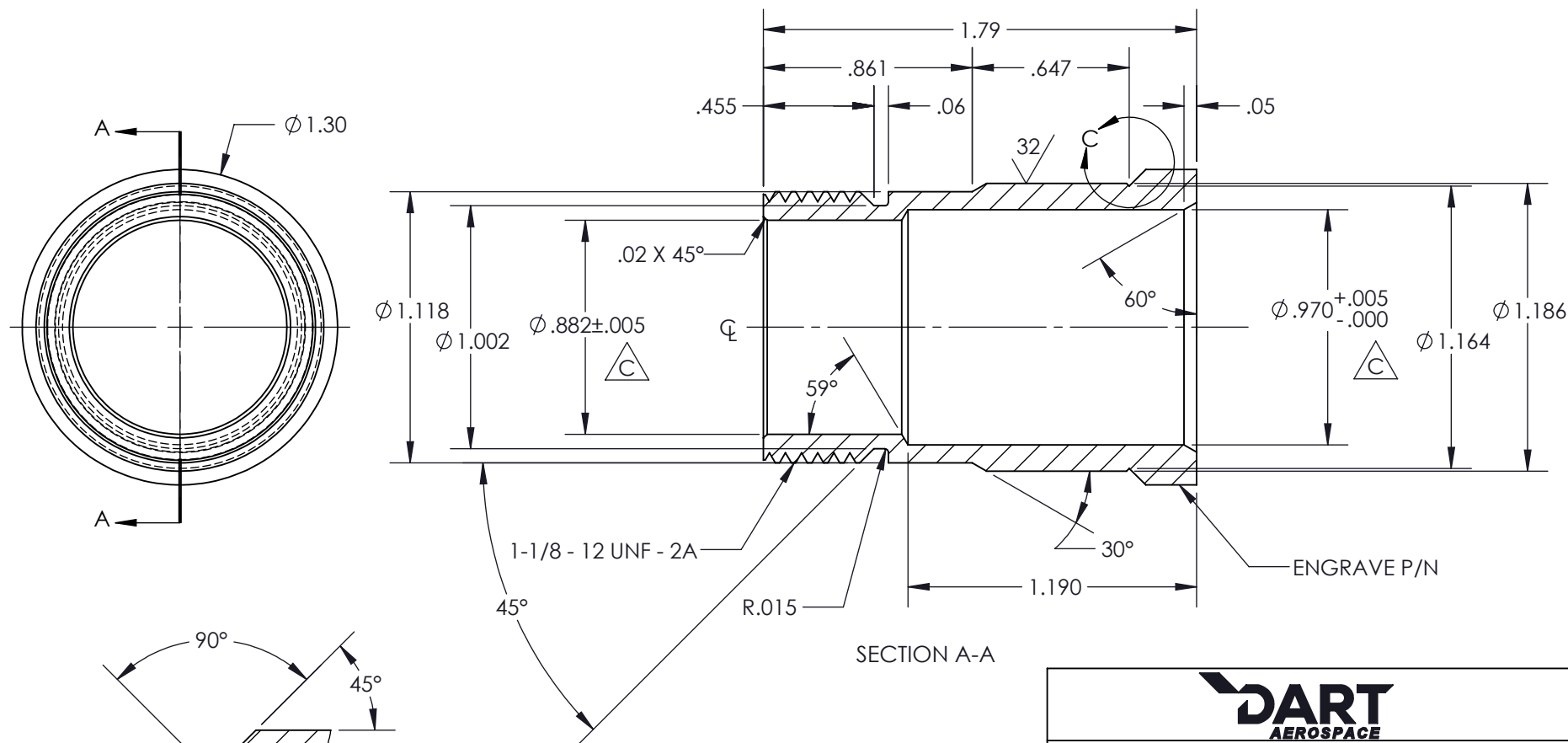
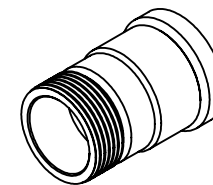
Exploded view diagram of a mechanical assembly. The components are labeled with callouts indicating their part numbers and quantities:

- 111 2X (Two L-shaped brackets)
- 109 (One large curved bracket)
- 105 (One threaded rod)
- 127 (One hexagonal nut)
- 107 (One washer)
- 113 (One small cylindrical component)
- 131 (One long bolt)
- 129 2X (Two shorter bolts)
- 135 (One washer)
- 115 2X (Two washers)
- 137 2X (Two small nuts)
- 133 2X (Two small hexagonal components)

(-103)

			
TITLE			
TAIN ROTOR BALANCE SET			
DWG NO.			REV
RBT400284-103			C
MAT'L		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT FINISH		DIMENSIONS ARE IN INCHES	
SPEC		.XXX ± .010 FRACTIONS ± 1/8	
		.XX ± .03 ANGLES ± 1°	
		.X ± .1 SURFACES = 125/√	
DRAWN BY: SAD		1. BREAK ALL SHARP EDGES	
CHECKED: KPT		.015 x 45° OR .015R	
OPPS APPR: DD		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
QA APPR: N/A		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
APPROVED:		USED ON MODEL	
		BELL 407, 427	
SCALE	1:2	DATE	11/4/2020
		SHEET 2 OF 9	

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DETAIL C
SCALE 4 : 1

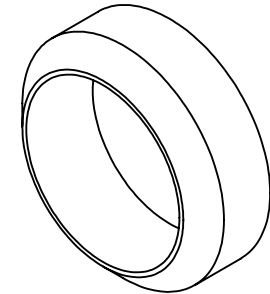
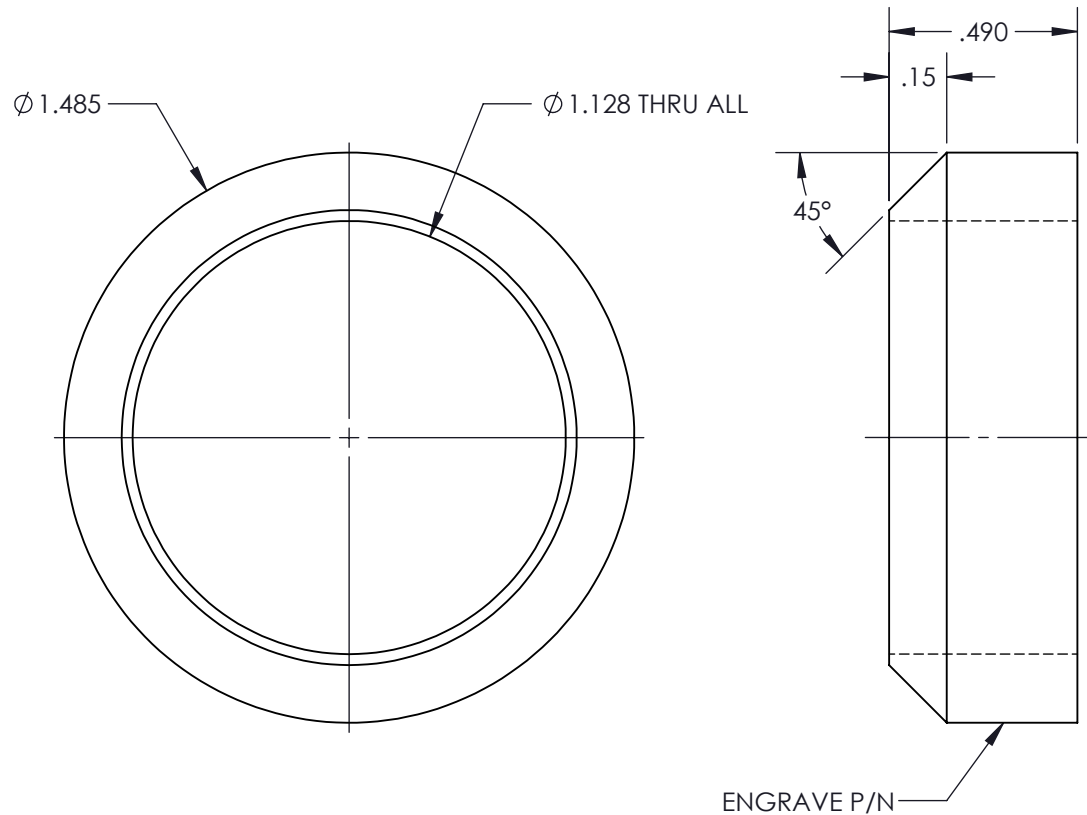
(105)

ADAPTER

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DART AEROSPACE	
TITLE TAIL ROTOR BALANCE SET	
DWG NO. RBT400284-105	REV. C
MAT'L 440C COML. GR. HEAT TREAT FINISH SPEC DRAWN BY: SAD CHECKED: KPT OPPTS APPR: DD QA APPR: N/A APPROVED:	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
USED ON MODEL BELL 407, 427	
SCALE 3:2	DATE 11/4/2020
SHEET 3 OF 9	

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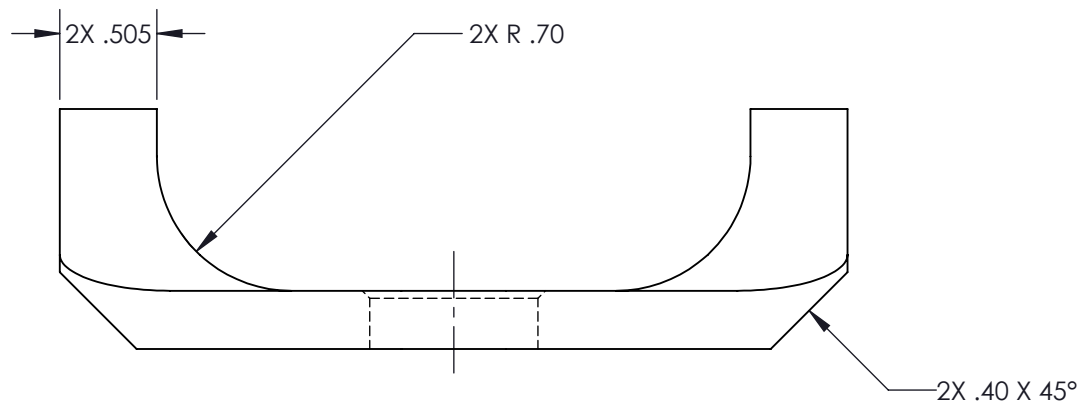
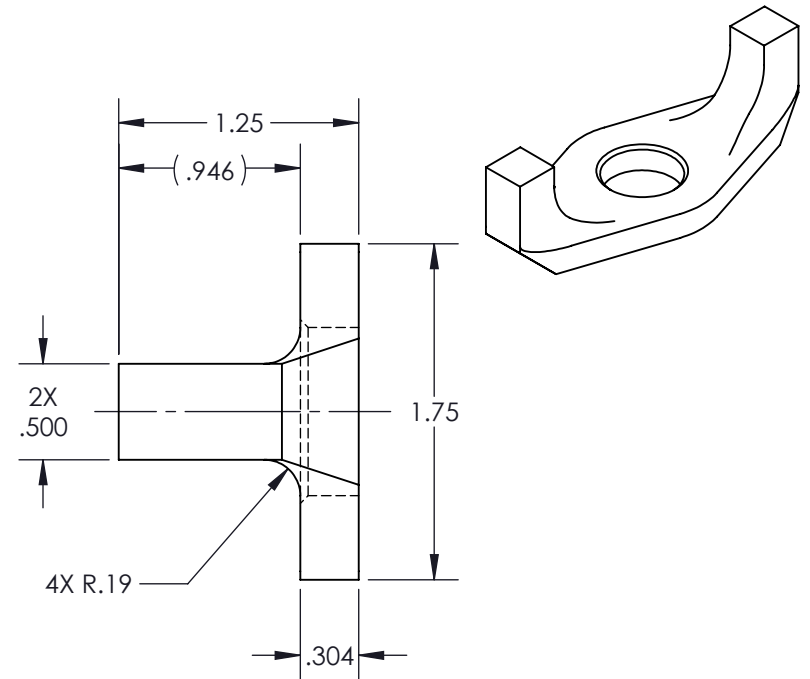
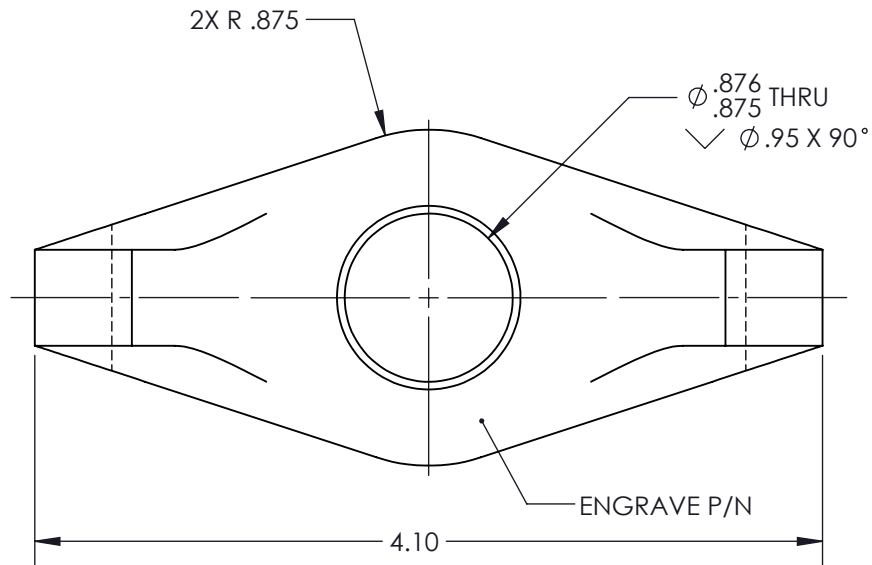


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-107
LARGE SPACER

DART AEROSPACE	
TITLE TAIL ROTOR BALANCE SET	
DWG NO. RBT400284-107	REV. C
MAT'L 440C COML. GR.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH	.XX ± .03 ANGLES ± 1°
SPEC	.X ± .1 SURFACES = 125/
DRAWN BY: SAD	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: KPT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: DD	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: N/A	USED ON MODEL
APPROVED:	BELL 407, 427
SCALE 2:1	DATE 11/4/2020
SHEET 4 OF 9	

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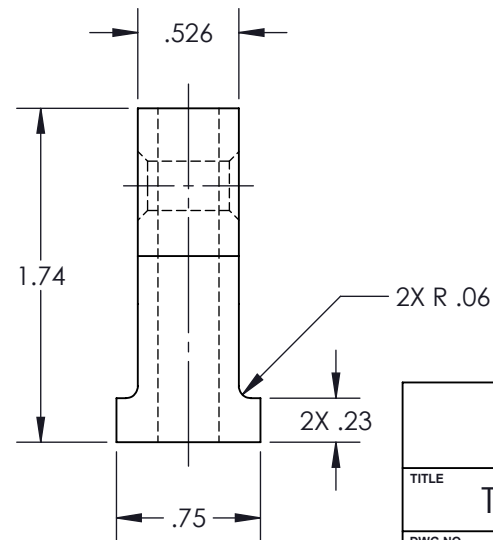
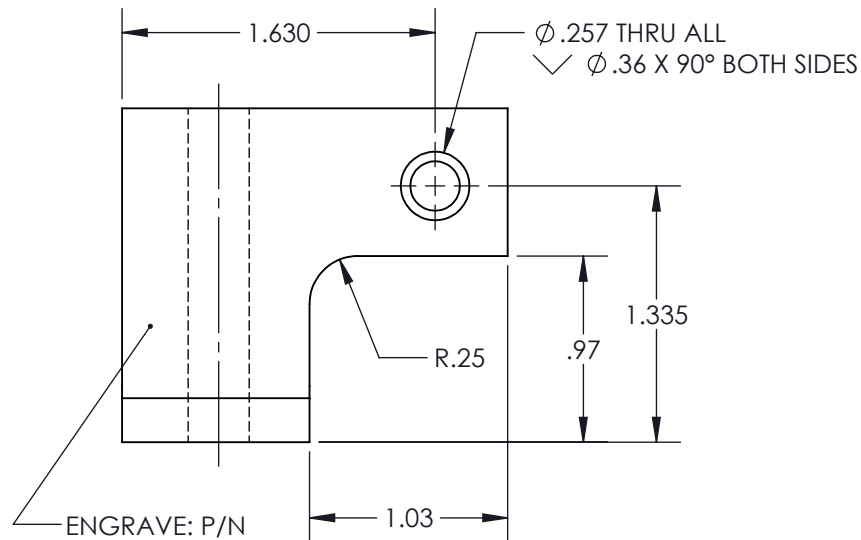
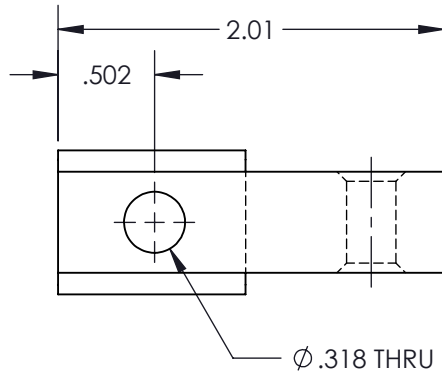
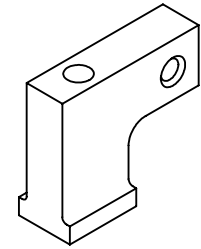
(-109)

STOP

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DART AEROSPACE	
TITLE TAIL ROTOR BALANCE SET	
DWG NO. RBT400284-109	REV. C
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH CLEAR ANODIZE	.XX ± .03 ANGLES ± 1°
SPEC MIL-A-8625F, TYPE II, CLASS I	.X ± .1 SURFACES = 125/✓
DRAWN BY: SAD	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: KPT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: DD	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: N/A	USED ON MODEL
APPROVED:	BELL 407, 427
SCALE 1:1	DATE 11/4/2020
SHEET 5 OF 9	

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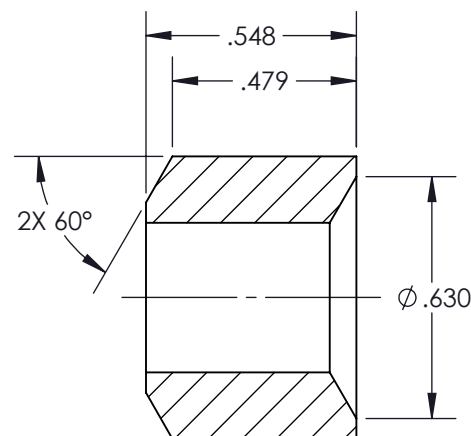
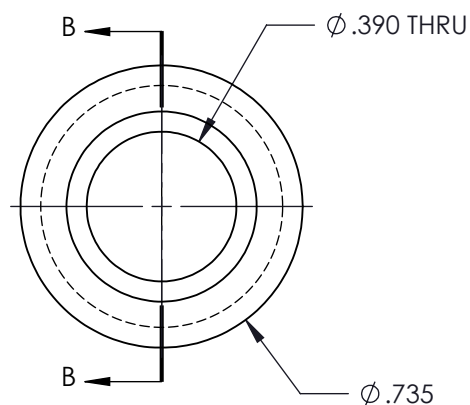
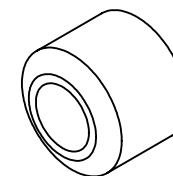


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DART AEROSPACE	
TITLE TAIL ROTOR BALANCE SET	
DWG NO. RBT400284-111	REV. C
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH CLEAR ANODIZE	.XX ± .03 ANGLES ± 1°
SPEC MIL-A-8625F, TYPE II, CLASS I	.X ± .1 SURFACES = 125
DRAWN BY: SAD	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: KPT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: DD	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: N/A	USED ON MODEL
APPROVED:	BELL 407, 427
SCALE 1:1	DATE 11/4/2020
SHEET 6 OF 9	

(-111)
HALF STOP

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SECTION B-B

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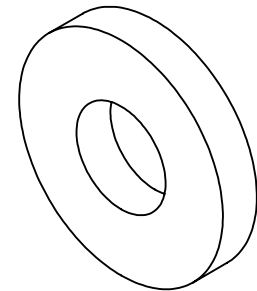
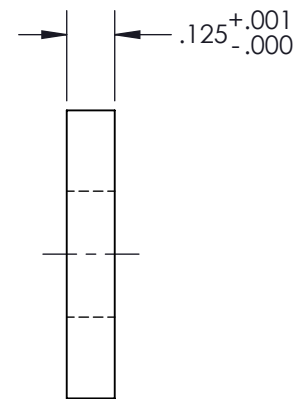
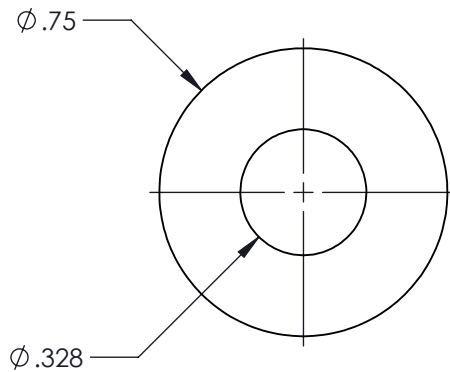
NOTE:
ATTACH TAG WITH PART NO.

DART AEROSPACE	
TITLE TAIL ROTOR BALANCE SET	
DWG NO. RBT400284-113	REV. C
MAT'L 440C COML. GR.	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: SAD	1. BREAK ALL SHARP EDGES
CHECKED: KPT	.015 x 45° OR .015R
OPPS APPR: DD	2. DIMENSIONAL LIMITS APPLY
QA APPR: N/A	AFTER PLATING
APPROVED:	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	BELL 407, 427
SCALE 2:1	DATE 11/4/2020
	SHEET 7 OF 9

-113

SMALL SPACER

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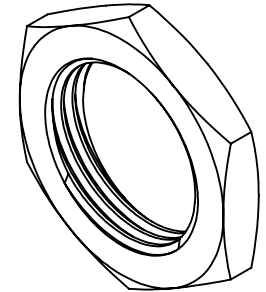
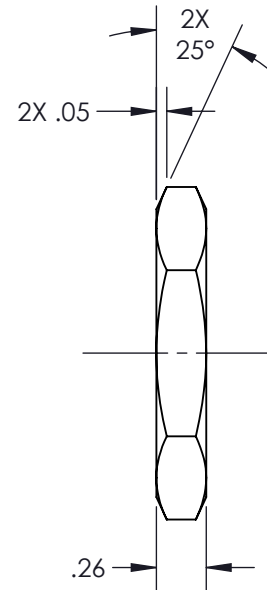
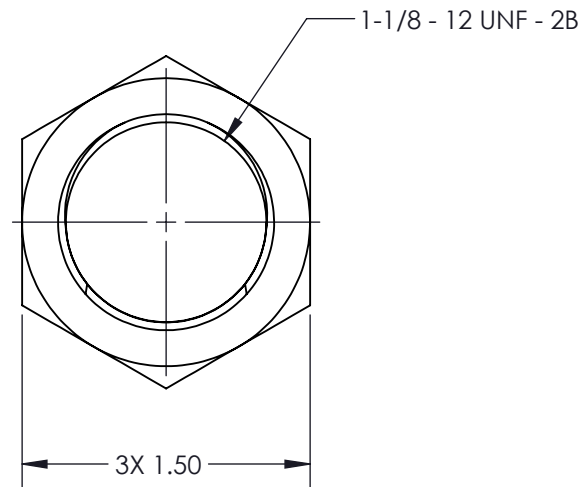
NOTE:
ATTACH TAG WITH PART NO.

DART AEROSPACE	
TITLE TAIL ROTOR BALANCE SET	
DWG NO. RBT400284-115	REV. C
MAT'L 440C COML. GR.	UNLESS OTHERWISE SPECIFIED
HEAT TREAT FINISH	DIMENSIONS ARE IN INCHES
SPEC	.XXX ± .010 FRACTIONS ± 1/8
DRAWN BY: SAD	.XX ± .03 ANGLES ± 1°
CHECKED: KPT	.X ± .1 SURFACES = 125°
OPPS APPR: DD	1. BREAK ALL SHARP EDGES
QA APPR: N/A	.015 x 45° OR .015R
APPROVED:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
SCALE 2:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 11/4/2020	USED ON MODEL
SHEET 8 OF 9	BELL 407, 427

-115

SPACER WASHER

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-127

THIN HEX NUT

DART AEROSPACE	
TITLE TAIL ROTOR BALANCE SET	
DWG NO. RBT400284-127	REV. C
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° ✓ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
HEAT TREAT	
FINISH ZINC PLATE	
SPEC ASTM B633 TYPE I SC 2	
DRAWN BY: SAD	
CHECKED: KPT	USED ON MODEL
OPPS APPR: DD	BELL 407, 427
QA APPR: N/A	
APPROVED:	
SCALE 1:1	DATE 11/4/2020
SHEET 9 OF 9	